# Bachelor of Science in Pharmaceutical Sciences

Degree Requirements: Catalog Year 2018-2019

| NAME ______________________________ | ID# ______________________ | Date ____________________ |

## GENERAL EDUCATION REQUIREMENTS

**English Composition**
- ENGL 101 or 107 .................................................. 3
- ENGL 102 or 108 .................................................. 3
- OR
- ENGL 109H .................................................. 3

**Second Language**
2nd semester proficiency**  .................................. 

**Mathematics**
Requirement satisfied by BSPS foundation courses

**Individuals & Societies (3 courses)***
- Tier One (150A, B or C) .................................. 3
- Tier One (150A, B or C) .................................. 3
- Tier Two Individuals & Societies .................................. 3

**Traditions & Cultures/Humanities (3 courses)***
- Tier One (160A, B, C or D) .................................. 3
- Tier One (160A, B, D or D) .................................. 3
- Tier Two Humanities .................................. 3

**Tier Two Art (3 units total)**

**Diversity Emphasis Course**
One course required. May be double-dipped with approved Tier I or II courses

**Natural Sciences**
Requirement satisfied by BSPS major coursework.

## PHARMACEUTICAL SCIENCES CORE

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCOL 305: Scientific Writing for Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>PCOL 310: Drug Approval: The 3 Billion Dollar Bet</td>
<td>2</td>
</tr>
<tr>
<td>PCOL 350: ADME: How the Body Changes Drugs</td>
<td>3</td>
</tr>
<tr>
<td>PCOL 355: Drug Delivery Systems</td>
<td>3</td>
</tr>
<tr>
<td>PCOL 390: Biomarkers: Analysis of Drug Effect/Tox...</td>
<td>3</td>
</tr>
<tr>
<td>PCOL 406: Comprehensive Human Pharmacology</td>
<td>5</td>
</tr>
<tr>
<td>PCOL 410: Integrated Medicinal Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>PCOL 440: Rigor &amp; Reproducibility</td>
<td>2</td>
</tr>
<tr>
<td>PCOL 473: Pharmacogenomics</td>
<td>4</td>
</tr>
<tr>
<td>PHCL 460: Designing Drugs: From Chemistry to Cure...</td>
<td>3</td>
</tr>
</tbody>
</table>

## UNIVERSITY REQUIREMENTS:

- 2.00+ cumulative GPA
- 2.00+ major GPA
- 120 total units
- 42 upper division units

*Required courses for the BSPS do not add up to 120/42 units. All students need some upper division and general electives.

- MCWA complete
- Final 18 of 30 units complete
- 30+ total UA units
- 18+ PCOL units at UA

## ADDITIONAL REQUIREMENTS FOR MEDICAL AND PHARMACY SCHOOL

**Pre-med** students should add the following courses to their plan.

- Individual med schools may have additional course requirements. Check each school of interest for details.
- PHYS 103\&182
- PSY 150A1 as a Tier I INDV
- Statistics (MATH 263 recommended)

**Pre-PharmD** students should add the following courses to their plan:
- Statistics
- ECON 200 as a Tier II INDV
- PSIO 201 + 202 in lieu of PSIO 380

*ENGL, MATH, CHEM, MCB, and ECOL courses must be completed with average grades of C or higher prior to advancing from Pre-Pharmaceutical Sciences to Pharmaceutical Sciences. Other admission requirements apply.

**Language proficiency may be fulfilled by successfully completing a course at the 2nd semester level, or by placing into 3rd semester language on a PROCTORED placement exam.

**Honors students may choose to take two Tier II INDV and one Tier I INDV, and/or two Tier II HUMS + one Tier I TRAD in lieu of the options outlined above. The same number of courses are required for honors and non-honors students, but honors students may place more emphasis on Tier II courses.

updated 11/16/18